

**METROPOLITAN UTILITIES DISTRICT OF OMAHA
REPORT OF WATER ANALYSIS**

Florence Plant

Monthly Averages

Source: Finished Water

Date: April, 2023

Temperature	<u>O.O.S.</u>	° C
Turbidity (NTU)	<u>O.O.S.</u>	Units
Color	<u>O.O.S.</u>	Units
Dissolved Oxygen (O ₂)	<u>O.O.S.</u>	mg/L
Langelier Index	<u>O.O.S.</u>	
UV-ABS @ 254 nm	<u>O.O.S.</u>	ABS/m
Total Organic Carbon	<u>O.O.S.</u>	mg/L
Specific Conductance @ 25 °C	<u>O.O.S.</u>	µmhos
Dissolved Solids (Calculated)	<u>O.O.S.</u>	mg/L
Silica (SiO ₂)	<u>O.O.S.</u>	mg/L

pH O.O.S. Units

Alkalinity (CaCO ₃)		
Phenolphthalein (P)	<u>O.O.S.</u>	mg/L
Total (M)	<u>O.O.S.</u>	mg/L

Total Hardness (CaCO ₃)	<u>O.O.S.</u>	mg/L
Carbonate	<u>O.O.S.</u>	mg/L
Non-carbonate	<u>O.O.S.</u>	mg/L

Nitrogen (N)		
Ammonia	<u>O.O.S.</u>	mg/L
Nitrite	<u>O.O.S.</u>	mg/L
Nitrate	<u>O.O.S.</u>	mg/L

Chlorine (Cl ₂)		
Free Residual	<u>O.O.S.</u>	mg/L
Total Residual	<u>O.O.S.</u>	mg/L

Surfactants (MBAS) - mg/L

Radioactivity :		
Gross Alpha (α)	<u>O.O.S.</u>	pCi/L
Beta Emitters (β)	<u>O.O.S.</u>	pCi/L
Radium 226+228	<u>-</u>	pCi/L
Uranium	<u>-</u>	mg/L

Bacteriological Quality : Distribution System
Meets USEPA drinking water standards:
T. coli: 0.36% E. coli: absent
Cryptosporidium: O.O.S. Giardia: O.O.S.

Cations :

Calcium	(Ca)	<u>O.O.S.</u>	mg/L
Magnesium	(Mg)	<u>O.O.S.</u>	mg/L
Sodium	(Na)	<u>O.O.S.</u>	mg/L
Potassium	(K)	<u>O.O.S.</u>	mg/L

Anions :

Bicarbonate	(HCO ₃)	<u>O.O.S.</u>	mg/L
Carbonate	(CO ₃)	<u>O.O.S.</u>	mg/L
Hydroxide	(OH)	<u>O.O.S.</u>	mg/L
Fluoride	(F)	<u>O.O.S.</u>	mg/L
Chloride	(Cl)	<u>O.O.S.</u>	mg/L
Bromide	(Br)	<u>O.O.S.</u>	mg/L
Nitrite	(NO ₂)	<u>O.O.S.</u>	mg/L
Nitrate	(NO ₃)	<u>O.O.S.</u>	mg/L
Phosphate	(PO ₄)	<u>O.O.S.</u>	mg/L
Sulfate	(SO ₄)	<u>O.O.S.</u>	mg/L

Trace Inorganics :

Aluminum	(Al)	<u>O.O.S.</u>	mg/L
Copper	(Cu)	<u>O.O.S.</u>	mg/L
Iron	(Fe)	<u>O.O.S.</u>	mg/L
Lithium	(Li)	<u>O.O.S.</u>	mg/L
Manganese	(Mn)	<u>O.O.S.</u>	mg/L
Strontium	(Sr)	<u>O.O.S.</u>	mg/L
Zinc	(Zn)	<u>O.O.S.</u>	mg/L

Antimony	(Sb)	<u>O.O.S.</u>	µg/L
Arsenic	(As)	<u>O.O.S.</u>	µg/L
Barium	(Ba)	<u>O.O.S.</u>	µg/L
Beryllium	(Be)	<u>O.O.S.</u>	µg/L
Cadmium	(Cd)	<u>O.O.S.</u>	µg/L
Chromium	(Cr)	<u>O.O.S.</u>	µg/L
Lead	(Pb)	<u>O.O.S.</u>	µg/L
Mercury	(Hg)	<u>O.O.S.</u>	µg/L
Nickel	(Ni)	<u>O.O.S.</u>	µg/L
Selenium	(Se)	<u>O.O.S.</u>	µg/L
Thallium	(Tl)	<u>O.O.S.</u>	µg/L

Organics :

Atrazine	<u>-</u>	µg/L
Metolachlor	<u>-</u>	µg/L

***Florence Plant shut down for month of April.**

Chris Griesman
Chemist II

N. D. = Not Detected